

Continuous Temperature Measurement of an Electric ARC
Furnace, by A. Yamaki.
JAPANESE, per, Denki Seiko, Vol XXXIII, No 4, 1962,
pp 280-285.
BISI 3462

Sci - Engr
Apr 64

2552,084

Fluorescent X-Ray Analysis of Steels, by
T. Adachi, M. Ito
JAPANESE, per, Denki Seiko, Vol XXXIV, No 4,
1963, pp 384-392.
BISI 3812

Sci - M/M
Sep 64

267,008

6B/41/3812

On the Steady State of Ionization in Weakly
Ionized Plasma in the Non-equilibrium State,
by K. Matsuura.

JAPANESE, mono, Denki Shikensho Iho(Bulletin
of the Electrotechnical Laboratory, Tokyo).

*~~IEEE~~ *IEEE Electron Device*

Sci - Phys
Oct 64

Millimeter Wave Determination of Plasma Electron
Density, by E. Yahagi, E. Yamashita, 34 pp.

JAPANESE, per, Denki Shikensho Iho, Vol XXIV, 1960,
pp 925-939. 9093609

AEC Tr-4793

Sci - Nuc Phys
Dec 61

177,407

A Fundamental Defect in Vacuum Measurement With a
Molecul Vacuum Gauge Using a Trap. Effect of the
Diffusion of Nitrogen in the Mercury Vapour, by H.
Ishii, K. Nakayama, 16 pp.

JAPANESE, part, Denki Shikensho Ibo., Vol XXV, No 9,
1961, pp 657-663. 9212355

AERE-Harwell-Tr-949

Sci - Nucl Sci

Oct 63

345, 200

Corona Tests on Oil-filled Plastic Film
Capacitors, by K. Horii, H. Wada. 13 p.
JAPANESE, per, Denki Shikensho Iho, No 27,
1963, pp 47-54. 9226963
AEC SC-T-64-2006

Sci/Chemistry
May 66

300,487

On the Accuracy of Pulse Frequency to
DC Converters, by S. Kushi, 24 pp.
JAPANESE, per, Denki Shikensho Iho,
Vol 27, No 5, 1963, pp 350-360.
SLA TT-65-10295

338,819

Sci
Aug 67

On the Steady State of Ionization in Weakly Ionized
Plasma in the Non-Equilibrium State, by E. Matsuura.
JAPANESE, per, Denki Shikensho Tho, Vol XXVII, No 7,
1963, pp 491-495. 9695575
DDC-RSIC-333

Sci - NS
Mar 65

275,044

Electrical Research Laboratory Technical Report
No 563, Chapters 2-5. 74 pp.
JAPANESE, per, Denki Shikensho Kenkyu Hokoku,
No 563, 1957, pp 21-71,
AEC ORNL-tr-460

Sci/Electronics
Jun 66

302,527

Researches on Standard Capacitors,
by M. Kanno.

JAPANESE, per, Denki Shiken-sho Kenkyu

Hokoku, No 597, 1964, 124p.

NLL Ref: B732B 1966 (1235)

Sci-Elec & Electrical Engr
Sept 66

309,547

Few Experimental Works on the Transfer of Electro-
photographic Latent Images, by H. Kiwaki.
JAPANESE, per, Denki Shiken-Sho Iho. Vol. 18, No. 12
1964, pp 881-886
GB 131/T 4795

Sci -
Aug 67

337-206

A Hyper-Wideband Microwave Antenna by
Tokio Sakurai. 24 pp.
JAPANESE, per, Denki Tsushin Gakkai Zasshi,
Vol 38, 1955, pp 10-16.
NASA TT F-13,071

usa
sci-comm
nov 70

Expansion of Chinese Communications, by Sugiyama,
15 pp.

JAPANESE, per, Denki Tsushin, Nov 1956.
CIA 565624

234th Signal Detachment (Intel)

FE - China
Economic
May 1957 CTS/dex

47,839

The 12th Meeting of the Telecommunications
Facilities Research Association Visits the SDF Communi-
cations School, 1 p. unclassified

JAPANESE, per, Denki Tsushin, Aug 1957, p 40.

USASIA Tr 977/10

Feb 58

Membership Roster of Telecommunication Society.

JAPANESE, pamphlet, Denko Tsushin Gakkai Kaifu Moibu,
1957, 144 pp, publ by Telecommunication Society.

500th MI Sv Gp Tr B 95944-H

FE - Japan

Biog

Dec 57

56,395

"Tadda" Electronic-Decimal-Digital-Type Difference-
Analyzer Under Development in Tokyo Shibaura
Electric Co, by S. Mita, K. Chiba. UNCLASSIFIED

JAPANESE, per, Denki Tsushin Gakkei Zasshi.

USASIA Tr 972P

Sci - Electron

Feb 58

59, 246

Study on Electronic Computers in Fuji Communication
Apparatus Mfg Co. UNCLASSIFIED

JAPANESE, per, Denki Tsushin Gakkaï Zasshi.

USASIA Tr 972Q

Sci - Electronics

Feb 58

59,239

Study on Automatic Computers in Nippon Electric Co,
by K. Hagamori. UNCLASSIFIED

JAPANESE, per, Denki Tsushin Gakkai Zasshi.

USASIA Tr 972R

Sci - Electron

59,240

Feb 58

2

Study on Digital Electronic Computers at Kyoto
University by K. Maeda, T. Sakai, T. Tanaka.
UNCLASSIFIED

JAPANESE per, Denki Tsushin Gakkaishi.

USASIA Tr 9728

Sci - Electron

Feb 58

59,241

Study on Electronic Computers at Tohoku University
by J. Oizumi. UNCLASSIFIED

JAPANESE, per, Denki Tsushin Gakkai Zasshi.

USASIA Tr 972T

Sci - Electron

Feb 58

041
59,242

On Parametron Computer "M-1", by Z. Kiyasu,
S. Muroga, K. Takashima. UNCLASSIFIED

JAPANESE, per, Denki Tsushin Gakkaishi.

USABIA Tr 972U

Sci - Electron

59,235

Feb 58

On the Parasetron Computer Developed in Denki Dohri
Co, by U. Murghami. UNCLASSIFIED

JAPANESE, per, Denki Tenshin Gakkai Zasshi.

USASIA Tr 972V

Sci - Electron

Feb 58

59,236

On the Electronic Computer Developed at Osaka
University, by K. Jo, S. Makinouchi, Y. Yasui.

UNCLASSIFIED

JAPANESE, per, Denki Tsushin Gakkai Zasshi, Jun 1957

USASIA Tr 972W

Sci - Electron

Feb 58

59,237

Transistorized Electronic Computer ETL Mark III,
by S. Takahashi, H. Mishino, I. Matsuzaki, K. Kondo.
UNCLASSIFIED

JAPANESE, per, Denki Tsushin Gakkai Zasshi, Jun 1957.

UBASIA Tr 972X

Sci - Electron

Feb 658

59,238

On TAC Computer, by A. Asamiya. UNCLASSIFIED

JAPANESE, per, Denki Tsushin Gakkaï Zasshi, Jun 1957.

USASIA Tr 972Y

Sci - Electron

Feb 58

59,231

Electronic Computer "FUJIC" and Its Operation,
by B. Okazaki. UNCLASSIFIED

JAPANESE, per, Denki Tsushin Gakkai Zasshi.

USASIA Tr 972Z

Sci - Electron

59,232

Feb 58

Relay Type Digital Automatic Computer, by
U. Komamiya. UNCLASSIFIED

JAPANESE, per, Denki Tsushin Gakkai Zasshi.

USASIA Tr 972M

Sci - Electronics

59,243

Feb 58

A Method of Designing Delay Circuits, by Zenichi
Kiyasu, 40 p.

JAPANESE, per, Denki Gakkaishi Zasshi, 1963,
Vol XXVI, Aug pp 598-610.

SLA 59-17476

Sci

Feb 60

Vol 2, No 10

108,875

Noise Figure of Very-High-Frequency Receiver, by
Yasuo Taki, Jun Tamiya, 25 p.

JAPANESE, per, Denki Taushin Gakkaishi Zasshi, 1950,
Vol XXIII, No 6, pp 305-312.

SLA 59-17795

Sci.
Feb 60
Vol 2, No 9

107079

Endo, Kokichi, Yoshida, Minoru and others.
MEDIUM FREQUENCY BROADCAST ANTENNAS
WITH UMBRELLA TOP LOADING. [1963] [21 p].
(foreign text included) 4 refs.
(Order from SLA \$2.60)

63-18398

Trans. of Denki Tsushin Gakkai [Zasshi (Japan) 1956
[v. 39, no. 2, p. 112-117].

DESCRIPTORS: *Antennas, *Radio broadcasting,
Antenna configuration, Antenna components, Antenna
radiation patterns, Medium frequency, Attenuation,
Design, Operation, Tests.

According to the results of the antenna operations
and experiments made by Radio Tokyo 50-kW Station
(JOKR) and Hokkaido Broadcasting Co. 10-kW Station
(JOHR), where a top-loaded medium frequency broad-
cast antenna of umbrella type instead of disk type has
(Physics--Electronics, TT, v. 10, no. 12) (over)

63-18398

1. Title: Umbrella antenna
- I. Endo, K.
- II. Yoshida, M.

Office of Technical Services

F
A
ACOM-128 Relay-Type Computer. UNCLASSIFIED

JAPANESE, per, Denki Taushin Gakkai Zasshi^k, Jun
1957.

USASIA Tr 972N

Sci - Electron

Feb 58

59, 244

Study on Digital Electronic Computer in Hitachi
Ltd, by S. Takada. UNCLASSIFIED

JAPANESE, per, Denki Taushin Gakkai Zasshi, Jun
1957.

USASIA Tr 9720

Sci - Electron

Feb 58

59,245

The Broadcasting Business. UNCLASSIFIED

JAPANESE, per, Denki Tsushin Gakkai Zasshi, Jan 1957.

USASIA Tr 972-2

FE - Japan

Econ

Feb 58

59,234

Preparations Progressing for Japan's Observation
of the Satellite, 1 p. UNCLASSIFIED

JAPANESE, per, Denki Tsushin Gakokai Zasshi, Jul
1957, p 76.

USASIA Tr 977/9

FE - Japan

Bci - Spac Res

Feb 58

See entry

Approximation of the Transfer Characteristics
of the Parallel-T RC Network, by
M. Higashiguchi,
JAPANESE, per, Denki Tsushin Gakkai Zasshi,
Vol XL, 1957, pp 541-546.
NLL 5207 (1193)

Sci-~~XXXXXXXXXX~~ Electr
Jul 67

329,171

A10-Type all Electronic Telephone Exchange System,
by T. Osatake, M. Akimaya.

JAPANESE, per, Denki Tsushin Gakkai Zasshi, Vol XL,
No 5, 1957, pp 546-556.

GB/30

Sci
Feb 63

Hayasaka, Hisao and Suzuki, Tamiji.
CONDENSER RECEIVER. [1962] 22p. 8 refs.
Order from SLA \$2.60 62-20162

Trans. of Denki [Tsushin] Gakkaï Zasshi (Japan) 1957,
v. 40, no. 41, p. 1151-1157.

DESCRIPTORS: *Telephone receivers, *Capacitors,
*Titanium, Design, Tests, *Microphones.

(Research Methods--Communication Theory, TT,
v. 10, no. 4)

62-20162

I. Hayasaka, H.
II. Suzuki, T.

Office of Technical Services

Wave-Form Observation of Electron Current Using
Traveling-Wave Cathode-Ray, by Hiroo Maeda,
24 pp.

JAPANESE, per, Denki Tsushin Gakkaishi,
Vol XL, 1957, pp 1171-1177.

AEC Tr 3654

Sci - Electron

Jun 59

90, 279

System and Logical Design of the Parametron
Digital Computer Musasino-1, by Saburo Muroga,
Kenzoike Takashima, 37 p.

JAPANESE, per, Denki Taushin Gakkaishi Zasshi,
1958, Vol XLII, No 11, pp 1132-1141.

SLA 59-17793

Sci
Feb 60
Vol 2, No 9

107001

Engineering Description of the Parametron
Digital Computer Musasino-1, by Kensuke Takashima,
Saburo Muroga, Kazuo Hishida, 32 p.

JAPANESE, per, Denki Tsushin Gakkaishi, 1958,
Vol. XLII, No. 11, pp 1141-1149.

SLA 59-17792

Sci
Feb 60
Vol. 2, No. 9

107,002

Magnetic Core Memory of the Parametron Digital
Computer Mucasino-1, by Shigeharu Yamada,
Teruhiko Haseho, Tsuneori Koshiha, 24 p.

JAPANESE, per, Denshi Tsushin Gakkaishi, 1958,
Vol. XLII, No. 11, pp 1149-1155.

SLA 59-17794

Sci
Feb 60
Vol 2, No 9

107,003

Ameliorations du Multivibrateur a Frequence
Variable, by M. Arai, 31 p.

JAPANESE to FRENCH, per, Denki Tsushin Gakkai Zasshi
1957, Vol XL, No 11, pp 1177-1184.

CEA-tr-X126

Sci
Feb 60
Vol 2, No 10

A New High Sensitive Receiving System for
Frequency Modulated Wave, by M. Morita, S. Ito.
JAPANESE, per, Danri Tsushin Gakkaishi,
Vol. 32, 1959, pp 737-744.
NII Ref: 9022,81 (2376)

Sci-Elec
Aug 68

363,661

Hoshiko, Y., Minami, T., and Omori, T.
ERROR PROBABILITY AND DISTORTION DISTRIBUTION DUE TO TRANSMISSION DISTORTION IN A BINARY TRANSMISSION SYSTEM. [1961] 15p.
Order from ATS \$20.85 ATS-56N49J

Trans. of Denki Tsushin Gakkai Zasshi (Japan) 1960, v. 43, no. 2, p. 146-153.

(Engineering--Electronic, TT, v. 5, no. 11)

61-22137

- I. Data transmission systems--Errors
- I. Hoshiko, Y.
- II. Minami, T.
- III. Omori, T.
- IV. ATS-56N49J
- V. Associated Technical Services, Inc., East Orange, N. J.

ATS JT-4114

108110

Office of Technical Services

Watanabe, H.
THEORY OF THE CHEBYSHEV APPROXIMATION
FOR FILTER NETWORKS. [1961] 21p. 9 refs.
Order from MDF \$12.50
MDF W-101
61-20548
Trans. of [Denshi Tsushin Gakka Zasshi] (Japan) 1960,
v. 43, no. 3, p. 271-280.

(Engineering--Electronic, TT, v. 5, no. 11)

61 22114

1. Microwave networks--
Mathematical analysis
2. Band-pass filters--
Mathematical analysis
3. Title: Chebyshev
approximation

- I. Watanabe, H.
- II. MDF W-101
- III. Friedman, Morris D., Inc.,
West Newton, Mass.

ATS 70-4115
10911

Office of Technical Services

Hayashi, Toshiya.

A NEW TYPE OF FIELD EFFECT TRANSISTOR.

[1962] 21p. 12 refs.

Order from SLA \$2.60

62-20180

Trans. of [Denki Tsushin Gakkai Zasshi] (Japan) 1960,
v. 43, no. 3, p. 298-305.

DESCRIPTORS: *Transistors, Ultrasonic radiation,
Theory, Design.

This article proposes a new type of easy-to-make field effect transistor, and describes its structure, theory of design, method of production, the basic characteristics of a trial model, its advantages and uses. The structure of this type is characterized in that grooves are set very close to the junction part in the P or N layer of a growth-type PN junction, thus forming thin layers between the other layers. These are the channels of the field effect transistor. In addition, the re- (Engineering--Electronic, TT, v. 10, no. 2) (over)

62-20180

1. Title: Field effect
1. Hayashi, T.

Office of Technical Services

Kawamura, Mitsuo.
HIGH CONVERGING GUN. Tokyo Inst. of Technology,
Thesis no. 3222. [1964] 12p (figs tables formulae
omitted) 8refs
Order from SLA \$1.60

TT-64-14758

Trans. of Denki Tsushin Gakkai Zasshi (Japan) 1960,
v. 43, no. 6, p. 711-718.

(Engineering--Electronic, TT, v. 11, no. 11)

TT-64-14758

I. Kawamura, M.

Office of Technical Services

Three Terminal Esaki-Diodes (Characteristic Control Method of Esaki-Diodes), by Toshiya Hayashi, Yoshio Sunchara, 12 pp.

JAPANESE, per, Denki Tsushin Gakki Zasshi,
Vol XLIV, No 5, 1961, pp 806-810.

Navy Tr 3217/NRL 900

Sci - Electron

Sep 62

211, 291

Umehara, Tadatoshii.
LECHER-GOBAU LINE. [1962] 2lp. 4 refs.
Order from SLA \$2.60 62-18841

Trans. of [Denki Tsushin Gakkai Zasshi] (Japan) 1961,
v. 44, no. 4, p. 500-507.

DESCRIPTORS: *Transmission lines, *Electro-
magnetic waves, *Propagation, Dielectrics, Elec-
tromagnetic fields, Attenuation, Electrical impedance.

In order to improve on various shortcomings of the
Goubau line, among which are the scattering by
adjacent objects, an increase of loss by earth, and a
large radiation loss from the curved portion, ond of the
counter-measures proposed is wherein two G lines are
placed with a small distance between them, and the two
lines, mutually exciting inverse phases, form a propa-
gation line. Two parallel lines with dielectric covering,
without the presence of TEM waves, are the line of
(Physics--Wave Propagation, TT, v. 9, no. 9) (over)

62-18841

1. Title: Lecher-Gobau
line
1. Umehara, T.

Office of Technical Services

62-18096

Niimi, T., Hayashi, T., and Sunohara, Y.
THE FIELD EFFECT TRANSISTOR AS A NEGATIVE RESISTANCE DEVICE. [1962] 15p. 10 refs.
Order from SLA \$1.60 62-18096

Trans. of Denki Tsushin Gakkai Zasshi (Japan) 1961,
v. 44, no. 5, p. 811-814.

DESCRIPTORS: *Transistors, Resistance, *Switches,
Field emission, Design, Manufacturing methods,
*Negative resistance circuits.

This article deals with the structure of one type of field effect transistor as a negative resistance device; its principles of operation, method of design and production, the basic properties of the finished product, its advantages and uses. This structure also shows that it is identical with the very narrow base of an alloy-type transistor equipped with a ring base. The producer mechanism of the negative resistance characteristics which appear in the gate circuit, is (Engineering--Electronic, TT, v. 8, no. 9) (over)

I. Niimi, T.
II. Hayashi, T.
III. Sunohara, Y.

Office of Technical Services

Inose, Hiroshi,
BLOCKING PROBABILITY AND JUNCTOR CAPACITY
OF A THREE STAGE TIME-DIVISION SWITCHING
NETWORK. [1962] 20p. 6 refs.
Order from SLA \$1.60

62-16605

Trans. of [Denki Tsushin Gakkai Zasshi] (Japan) 1961,
v. 44, no. 5, p. 934-941.

DESCRIPTORS: *Telephone communication systems,
Telephone lines, Panel boards (Electricity), Load
distribution, *Probability, Switching circuits.

In an exchange system composed of modules with
time-division switching networks, the time-division
networks are assumed to be connected by inter-module
time-division junctors or inner-module junctors;
namely, the connection is made through the route of
the time-division switching network-time-division
(Research Methods--Communication Theory, TT, v. 8,
no. 6)
(over)

62-16605

I. Inose, H.

Office of Technical Services

Saito, Nobuji.

RICHARDS' THEOREM EXPANDED INTO A TWO-PAIR TERMINAL NETWORK. [1962] 10p. 6 refs. Order from SLA \$1. 10 62-14790

Trans. of [Denki Tsushin Gakkai Zasshi] (Japan) 1961, v. 44, no. 7, p. 1033-1036.

DESCRIPTORS: *Electrical networks, Synthesis, Functions, Matrix algebra, Theory.

Richards' theorem is famous as introducing a key to Bott and Duffin's method for the synthesis of a two-terminal network without the use of mutual inductance. The present paper proves that by treating the expansion of Richards' theorem into a four-terminal network with a matrix, an almost identical theorem is obtained. On the basis of this proof a method solving a four-terminal network is proposed. This is an important step in the synthesis of a coupled-line wave (Engineering--Electrical, TT, v. 8, no. 9) (over)

62-14790

1. Title: Richards' theorem
1. Saito, N.

Office of Technical Services

Salto, Nobuji.

A COUPLED TRANSMISSION-LINE FILTER (DESIGN METHOD BY EXTRACTION OF COUPLED 2-WIRE LINES). [1962] 12p. 3 refs.
Order from SLA \$1.60 62-14789

Trans. of [Denki Tsushin Gakkai Zasshi] (Japan)
1961, v. 44, no. 7, p. 1036-1040.

DESCRIPTORS: *Transmission lines, *Coaxial filters, Design.

Consideration is given to the design of a coupled transmission-line filter, with distributed coupled transmission lines as its main element. Symmetrical and reciprocal circuits are explained by the method of extracting coupled transmission lines from the parameters of a given circuit. There is no need to devise a special function for the characteristic. (Engineering--Electrical, TT, v. 8, no. 9) (over)

62-14789

I. Salto, N.
II. Title: Design ...

Office of Technical Services

62-16603

Kawazu, S., Sugahara, A., and Ishii, H.
TRANSMISSION CHARACTERISTICS AND DESIGN
METHOD OF BRANCHING FILTER FOR MICROWAVE
RADIO RELAY SYSTEM. [1962] 25p. 15 refs.
Order from SLA \$2.60 62-16603

Trans. of [Denki Tsushin Gakkai Zaasshi] (Japan) 1961,
v. 44, no. 8, p. 1207-1216.

DESCRIPTORS: *Microwave relay systems, *Radio
relay systems, Broadband, Frequency modulation,
Microwaves, Electric filters, *Waveguide filters,
Design, Wave transmission.

The transmission characteristics of a microwave
branching filter, of a form combining a hybrid circuit
with a 2-set filter system, are described in detail.
The effects of slight differences in these characteristics
(delay period, transmission loss, amount of coupling
(Engineering--Electronic, TT, v. 8, no. 6) (over)

I. Kawazu, S.
II. Sugahara, A.
III. Ishii, H.

Office of Technical Services

Inose, Hiroshi, Yasuda, Yasuhiko and others.
SUBSCRIBER-LINE CIRCUIT FOR AN EXPERIMENTAL
TIME DIVISION EXCHANGE SYSTEM FEATURING
DELTA MODULATION TECHNIQUES. [1962] 19p.
5 reis.

Order from SLA \$1.60

62-18842

Trans. of [Denki Tsushin Gakkaï Zasshi] (Japan) 1961,
v. 44, no. 9, p. 1322-1328.

DESCRIPTORS: *Telephone communication systems,
*Pulse modulation, *Telephone equipment, *Modulators,
*Oscillators, Circuits, Signal-to-noise ratio.

A subscriber-line circuit was devised for the following
conditions: frame frequency, 50 kc/s; number of talking
channels, 19; number of synchronous channels, 1; the
time-slot for each channel, 1 s; width of channel
pulse, 0.5 s; height, 0.1 s. Each subscriber is
(Engineering--Electronics, TT, v. 10, no. 1) (over)

62-18842

I. Inose, H.
H. Yasuda, Y.

Office of Technical Services

Akimura, H.
REALISATION OPTIMUM D'UN SYSTÈME DE COM-
MUTATION (Best Working out of a Commutation Sys-
tem). 28p. 11 refs. FX-1248 (text in French).
Order from OTS or ETC \$2.43 62-26305

Trans. in French from [Denki Tsushin Gakkai Zasshi]
(Japan) 1961, v. 44, no. 10.

DESCRIPTORS: *Commutators, *Telephone communi-
cation systems, Telephone cables, Theory.

(Engineering--Electronic, TT, v. 9, no. 8)

62-26305

- I. Akimura, H.
- II. FX-1248
- III. Centre National de la
Recherche Scientifique
(France)

Office of Technical Services

Part on Societies and Associations.

JAPANESE, bk, Denko Tsushin Jigyo Yoran, 1957,
pp 1037-1112, publ by Telecommunications Association.

500th MI Sv (Sp Tr 95944-G
(EDC Jun 1958)

FE - Japan
Econ - Outline on Telecommunications Enterprise
Dec 57

56,394

The Communication Association (Membership Roster).

JAPANESE, pamphlet, Denki Tanshiki Kyokai, Apr 1957,
89 pp.

500th MI Sv Gp Tr 95944-C
(RDC Jun 1958)

FB - Japan
B10g
Dec 57

56, 388

The Ori Electric's All-Electronics Telephone
Exchange.

JAPANESE, per, Denki Zasshi Co., publ by OEM
Company Ltd, 12 Sep 1957, pp 1295, 1296.

500th MI Gp Tr 95865

Sci - Electronics

56, 585

Doc 57

62-18093

Miura, Hiroyasu.

SOME NOTES ON ANTI-SIDETONE TELEPHONE
CIRCUITS. [1962] 24p. 4 refs.

Order from SLA \$2.60

62-18093

Trans. of [Denki Tsushin Gakkai Zasshi] (Japan)
1961, v. 44, no. 9, p. 1328-1336.DESCRIPTORS: *Communication equipment,
*Telephones, Circuits, Boosters, Impedance
bridges.

Starting from the basic circuit, an analysis is presented of the bridge and booster circuits in the case of elements having complex impedance. By the analyses the design for an anti-sidetone telephone circuit became much more precise than in the case wherein all the elements were considered to be pure resistances.

(Engineering--Electrical, TT, v. 8, no. 9)

I. Miura, H.

Office of Technical Services

63-14740

Inose, Hiroshi.

AN APPROXIMATE CALCULATION ON BLOCKING
PROBABILITIES OF A TRIANGULAR ALTERNATE
ROUTING SYSTEM. [1963] 16p. 2 refs.

Order from SLA \$1.60

63-14740

Trans. of [Denshi Tsushin Gakkaï Zasshi] (Japan)
1961, v. 44, no. 10, p. 1450-1456.

DESCRIPTORS: Mathematical analysis, *Probability,
*Telephone communication systems, Communication
theory, Differential equations.

In a triangular alternate routing system, where offices
A, B and C are disposed at vertexes of a triangle,
blocking probabilities of calls on the A-B, B-C routes
are derived under the assumption of "No Hole in the
Multiple", the effect of this assumption on numerical
results of probabilities is discussed and finally a
(Research Methods--Communication Theory, TT, v. 10,
no. 5) (over)

I. Inose, H.

Office of Technical Services

A Simplified Method of Obtaining Highest-System
Reliability, by Masafumi Sasaki, 19 pp.
JAPANESE, per, Denki Tsuzushin Gakkai Zasshi,
Vol XLV, No 2, 1962, pp 144-150. 9225318
AEC-SC-T-64-~~18~~ 1616

Sci-Engr
Dec 64

270,073

An Experimental Push-Button Dialing System,
by Takuma Yakumamoto, Toshikhiko Nakamura, et al.
JAPANESE, per, Denki Tsushin Gakkai Zasshi,
Vol XLV, No 5, 1962, p 641-647.
SLA TT 64-18603

Apr 67

323,093

Relax Method for Duotron Velocity
Tube Coupling Resonator, by T. Matsumoto,
M. Suzuki.

JAPANESE, per, Denki Tsushin Gakkai
Zasshi, Vol 45, No 8, pp 1086-1094, 1962
AEC SC-T-65-739 -1094 9229598

Sci-Engr
Nov 65

291,969

National Telephone Switching Plan, by
Satoshi Kojima, 24 pp.

JAPANESE, per, Denki Tsushin Gakkaï Zasshi,
Vol XLV, No 11, 1962, pp 51-58.

ACSI I-4158
ID 2204004064
39th MI Bn

Sci - Engr
23 Nov 64

Surface Roughness and Effective Reflection
Coefficient of the Sea in 90° Band Wave
Propagation, by Takeshi Marukawa, 11 pp.
JAPANESE, per, Danki Tanshin Gakki Zasshi,
Vol 45, No 8, 1962, pp 1071-1075. 944162866
NSERC 1791

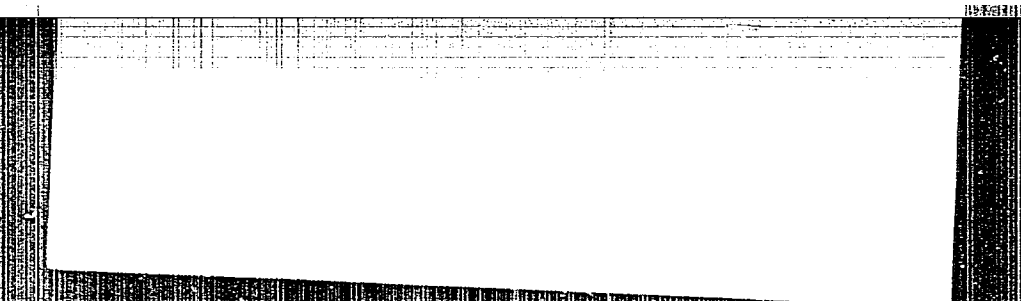
314,545

Sci - Navigation, Communications,
Detection and Countermeasures
Jan 67

On the Application of a Speech Clipper to
an SSB Radio Telephone System Using VODAS,
by Y. Tsuruoka
JAPANESE, per, Denko Tsushin Gakkai Zasshi,
Vol 45, No 9, 1962, pp 1211-1215.
NII Ref: 6180.59 (1904)

Sci-Electronics
July 68

360,838



Research on Semi-Electronic Switching System,
by H. Kawasaki.

JAPANESE, per, Denki Tsushin Kenkyu-Sho
Kenkeyu Jitsuyoka Hokoku, No 12, 1963,
pp 475-508
GB/30/102

Sci -
Jul 67

335,017

DENKI TSUSHIN GAKKAI ROEUNSHI
(Electronics and Communications in
Japan - monthly)
Translation begins with 1963, Vol. 46
Lag time: 6 months
Order from: Scripta Publishing Corporation
1511 K Street, N.W.
Washington, D.C. 20005
1970/71: \$ 135.00/year USA and Canada
\$ 137.00/year elsewhere
Prices of back volumes available on request
(Prepayment required - surbate mail postage
is included)

*Japan
old*

The World's Short Wave Stations, by Koyanagi,
2 pp. UNCLASSIFIED

JAPANESE, per, Denpa Gijutsu Vol V, No 10, Oct
1957, p 33.

USASIA Tr 977/8

Feb 58

File only

Wireless Stations That Need No License to Operate,
Their Type of Work, Kind of Waves and Frequencies Used,
1 p. UNCLASSIFIED

JAPANESE, per, Denpa Jiho, Sep 1957, p 67

USASIA Tr 977/11

Feb 58

gently

Travels in the Communist China, by K. Kondo.
UNCLASSIFIED

JAPANESE, per, Denpa Jiho, May 1957.

USASIA Tr 972-5

FE - China

Soc Soc, Geog

Feb 58

59,229

From the Point of View of Self-Defense Forces,
by Y. Koyama, 5 pp. UNCLASSIFIED

JAPANESE, per, Denpa Jiho, Aug 1957, p 57.

USASIA Tr: 977/3

FE - Japan

ML1

Feb 58

59,225

The Future Plan of the Japan Telegraph and Telephone Public Corporation, by K Asano, Toshio, 13 pp.
JAPANESE, per, Densha Jihō, No 9, 1963, pp MXK 14-17.
(Call No Uncataloged Eng Tr)

Army Map Service

FE - JAPAN
Econ
Sci - Electron

Feb 64

250,098

The Present Situation of International ~~XXXXXXXXXX~~
Meteorological Communication and Problems, by
Imazato, Amlu, 15 pp.
JAPANESE, per, Denpa Jiho, No 9, 1963, pp 31-35.
(Call No Uncataloged Eng Tr)

Army Map Service

FE - Japan
Econ
Sci - Eleaxon
Feb 64

250,099

Ultra High Frequency's Effect on Animals.

JAPANESE, per, Dempa Nippon, Vol XLII, No 1, 1947,
pp 25-27.

USACRAPAC, PD
102093

Sci - Med

Oct 60

List of Government Radio Officials. UNCLASSIFIED

JAPANESE, per, Dempa Shokuin Roku, 1 Nov 1957,
176 pp.

USARISC-ID-Svc Br
Tr 96588
(EDC 30 Jun 58)

FE - Japan

Biog

Apr 58

62,484

Studies on the Conditions for the Crystallization
of Glucose, by M. Kamawada, M. Moriaze.
JAPANESE, per, Dangun Kogyo Gakkaishi, Vol 3,
No 4, 1956, pp 13-17.
NTC-69-16117-07A

Sci-Chem
Feb 70

402,899

Directory of Manufacturers Handlers of Articles
Connected With Electronics:

JAPANESE, per, Denshi Kagaku, 1 Apr 1959, pp 117-135.

USACRAC, PD
Tr No 99703

FE - Japan
Econ
Sci
Oct 59

98,503

Electron Industry.

JAPANESE, per, Denshi Kogyo, Vol VII, No 6,
1958, pp 27-32.

ACSI H-5419-A
II) 2174801

ASIA - Japan
Econ
Electron
2 Oct 61

169, 916

**Measuring the High Frequency Dielectric
Characteristics by Phase Transition.**

**JAPANESE, per, Denshi KK Kogyo, Vol VII, No 6,
1958, pp 33-38.**

**ACSI H-5419-B
ID 2174801**

Sci - Phys

169,997

2 Oct 61

Status of Development of Antenna and Feeder
Theories in the Soviet.

JAPANESE, per, Denshi Kagaku, Vol. VII, No 6,
1958, pp 39-43.

ACCU H-5419-C
ID 2174801

169,999

USSR
Econ
2 Oct 61

Translation Procedure by Translation Machine
"YAMATO", *per*

JAPANESE, ~~magazine~~, Denshi Kogyo, Vol ^{VIII} ~~8~~, No 3,
Mar 1959, pp 24-27.

USACRAPAC, PD
99701

Sci - Misc
Aug 59

94,222

also - memo from Houston. giving translation. aperts

Passenger Train Radio Equipment - For the Use of
Operational Command and the System of Passenger
Service, 18 pp.

JAPANESE, per, Denshi Kogyo, Vol XII,
No 2, 1963, pp 35-40.

ACSI I-4152

ID 2204003964

319th MI Bn

Sci - Electron
Dec 64

269,257

On the Vacuum Vaporization Technique of Carbon
and the Characteristics of Evaporated Carbon
Film and its Applications, by Akira Fukami,
Haruo Yotsunoto, 40 p.

JAPANESE, per, Donaki Kasei, 1956, Vol. IV,
No 3, pp 166-173.

SLA 59-15436

Sci
Feb 60
Vol 2, No 12

108,243

An Approach to a High-Speed Electronic
Teleprinter, by T. Tokuyasu, H. Nakao.
JAPANESE, per, Danshi Shashin, Vol 1, No 1,
1959, pp 8-12.
ATS JS-141

Sci-Mat
Feb 69

373,844

Dye Sensitization of Zinc Oxide. Part III.
by Takahashi, C. Shishido.
JAPANESE, per, Denshi Shashin, Vol 2, No 1,
1960, pp 15-18.
NTC-69-15746-14E

Sci-Meth & Equip
Feb 70

402,919

Phosphor Sensitization of Zinc Oxide. Part I.
by T. Takahashi, C. Shishido.
JAPANESE, per, Danshi Shashin, Vol 2, No 1,
1960, pp19-23.
NTC-69-15745-14E

Sci-Meth & Equip
Feb 70

402,918

Takahashi, K., Yamaguchi, T., Kokado, H., and
Inoue, E.
PHOTOCONDUCTIVE HYSTERESIS OF ZINC OXIDE
DISPERSED IN A DIELECTRIC RESIN. 7p (11 figs
5 refs omitted) 1ref
Order from SLA \$1.10

TT-64-16498

Trans. of Denshi Shashin (Japan) 1960, v. 2, no. 1,
p. 24-31.

(Chemistry--Physical, TT, v. 12, no. 4)

TT-64-16498

I. Takahashi, K.
II. Yamaguchi, T.
III. Kokado, H.
IV. Inoue, E.

Office of Technical Services

TT-64-22110

Kokado, H., Inoue, E., Yamaguchi, T., and
Takahashi, I.
EFFECT OF ADSORBED MOLECULES ON THE
PHOTOCONDUCTIVITY OF ZINC OXIDE. [Apr 64] 6p
Order from ATS \$8.25 ATS-08R75]

Trans. of Denshi Shashin (Japan) 1960, v. 4, no. 2,
p. 13-16.

(Chemistry--Physical, TT, v. 12, no. 2)

- I. Kokado, H.
- II. Inoue, E.
- III. Yamaguchi, T.
- IV. Takahashi, I.
- V. ATS-08R75]
- VI. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

A Vibrating Reed Type Electrometer for
Electrophotography, by M. Wada, et al,
JAPANESE, per, Denshi Shashin, Vol II, No 2,
1960, pp 26-29.
ATS JS-94

Sci-Methods & Equip
Apr 67

324,793

62-12389

Yoshida, K., Kawamura, T., and Kamiuchi, S.
X-RAY CHARACTERISTICS OF ELECTROPHOTOGRAPHY, PT. I. [1961] 5p.
Order from ATS \$8.55 ATS-54N57]

Trans. of Denshi Shashin (Japan) 1961, v. 3, no. 1,
p. 15-18.

DESCRIPTORS: *Electrophotography, X-rays.

(Materials--Photographic, TT, v. 7, no. 5)

- I. Yoshida, K.
- II. Kawamura, T.
- III. Kamiuchi, S.
- IV. ATS-54N57]
- V. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Yamaguchi, T., Takahashi, K. and others.
STATIC ELECTRIFICATION OF ELECTROPHOTO-
GRAPHIC LAYERS. [1962] 6p.
Order from ATS \$10.80

ATS-53N57J

Trans. of Denshi Shashin (Japan) 1961, v. 3, no. 1,
p. 12-15.

DESCRIPTORS: *Electrophotography, Photography,
Electrostatics.

62-12362

- I. Yamaguchi, T.
- II. Takahashi, K.
- III. ATS-53N57J
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

(Materials--Photographic, TT, v. 9, no. 10)

62-12368

Kinoshita, K. and Nakamura, K.
**PERSISTENT INTERNAL POLARIZATION OF
PHOSPHORS AND ITS APPLICATION TO ELECTRO-
PHOTOGRAPHY.** [1961] 10p.
Order from ATS \$15.15 ATS-55NS7J

Trans. of Denshi Shashin (Japan) 1961, v. 3, no. 1,
p. 18-24.

DESCRIPTORS: *Phosphors, Polarization, *Electro-
photography, Photography.

(Materials--Photographic, TT, v. 7, no. 5)

- I. Kinoshita, K.
- II. Nakamura, K.
- III. ATS-55NS7J
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

10-17370
Nozaki, H.
SUGGESTION ON THE SENSITOMETRY OF ELEC-
TROPHOTOGRAPHY. [1961] 5 p.
Order from ATS \$6.75 / TS-56NS7]

Trans. of Denshi Shashin (Japan) 1961, v. 3, no. 1,
p. 25-26.

DESCRIPTORS: *Electrophotography, Photography,
Sensitivity.

(Materials--Photographic, TT, v. 7, no. 5)

- I. Nozaki, H.
- II. ATS-56NS7]
- III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

62-12369

Kiwaki, H., Komeiji, S., and Nakasone, H.
TEST RESULTS ON THE RESOLVING POWER OF
ELECTROPHOTOGRAPHY. [1961] 7p.
Order from ATS \$10.80 ATS-571457]

Trans. of Denzhi Shashin (Japan) [1961] v. 3, no. 1,
p. 27-31.

DESCRIPTORS: *Electrophotography, Photography.

- I. Kiwaki, H.
- II. Komeiji, S.
- III. Nakasone, H.
- IV. ATS-571457]
- V. Associated Technical
Services, Inc.,
East Orange, N. J.

(Materials--Photographic, TT, v. 7, no. 5)

Office of Technical Services

62-12365

Nagashima, S. and Goto, K.
ELECTROPHOTOGRAPHIC ENGRAVING METHOD.
[1961] 12p.
Order from ATS \$17.85 ATS-58NS7J

Trans. of Denshi Shashin (Japan) 1961, v. 3, no. 1,
p. 32-38.

DESCRIPTORS: *Electrophotography, Photography,
*Photoengraving.

✓✓-3124

(Materials--Photographic, TT, v. 7, no. 5)

- I. Nagashima, S.
- II. Goto, K.
- III. ATS-58NS7J
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

TT-64-12084

Ohyama, Y., Kurita, T., and Takahashi, Y.
LIQUID DEVELOPER FOR "ELECTROFAX" PAPER.
[1963] 10p
Order from ATS \$13.00 ATS-52P60]

Trans. of Denshi Shashin (Japan) 1961, v. 3, no. 2,
p. 16-21.

DESCRIPTORS: *Electrophotography, *Photographic
chemicals, Photographic paper, Liquids.

(Materials--Photographic, TT, v. 11, no. 4)

I. Ohyama, Y.
II. Kurita, T.
III. Takahashi, Y.
IV. ATS-52P60]
V. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services